

Section 1135

1 Payment will be made under:

Pay Item
Drums

Pay Unit
Each

SECTION 1135 CONES

1135-1 DESCRIPTION

2 Furnish, install, relocate, maintain and remove cones and reflective cone collars.

1135-2 MATERIALS

7 Refer to Division 10.

Item
Cones

Section
1089-4

8 Provide cones that are on the NCDOT Approved Product List.

1135-3 CONSTRUCTION METHODS

10 Use reflective adhesive sheeting on all cones used between dusk and dawn. Use the same
11 type of reflective sheeting on all cone collars installed at any one time during the life of the
12 project. Do not use cones in the upstream taper of lane or shoulder closures for multilane
13 roadways. Do not use cones for longer than 3 consecutive days.

14 Use ballasting methods in accordance with manufacturer's specification.

15 Cones may be used on all facilities for daytime and nighttime work with speed limits at or
16 below 55 mph. If used at night, the cones shall have adhesive reflective sheeting and shall
17 meet the height requirements in the *Roadway Standard Drawings*.

18 Cones may be used instead of drums, where allowed in the TTC plans or by the Engineer, on
19 facilities with speed limits above 55 mph, if both the work is performed during daylight
20 conditions and the devices are removed after each work period. Drums shall be used in the
21 tapers.

22 The maximum spacing for cones on multi-lane roadways is equal in feet to the posted speed
23 limit.

24 Immediately replace any cone that is torn, crushed, discolored or otherwise damaged.

1135-4 MEASUREMENT AND PAYMENT

26 *Cones* will be measured and paid as the maximum number of cones acceptably placed and in
27 use at any one time during the life of the project.

28 Relocation, replacement, repair and maintenance of cones will be incidental to the work of
29 this section.

30 Payment will be made under:

Pay Item
Cones

Pay Unit
Each

SECTION 1145 BARRICADES

1145-1 DESCRIPTION

34 Furnish, erect, maintain, relocate, ballast and remove barricades.

1 **1145-2 MATERIALS**

2 Refer to Division 10.

Item

Barricades

Section

1089-3

3 Provide barricades that meet NCHRP 350 for Category II traffic control devices and are on
 4 the NCDOT Approved Product List.

5 **1145-3 CONSTRUCTION METHODS**

6 At the end of the workday, properly close the road where construction equipment accesses
 7 a road closure through Type III barricades.

8 Use sandbags or other approved ballasting methods to prevent overturning of barricades by
 9 the wind. If needed, place sandbags or other acceptable ballasting on the feet of the frame.
 10 Do not ballast barricades with objects such as rocks or chunks of concrete.

11 Do not anchor barricades to any pavement surfaces unless such anchoring method has passed
 12 the crash test requirement of NCHRP 350 for work zone category II devices.

13 Point the striped diagonals on the barricade rails in the direction of traffic flow.

14 **1145-4 MAINTENANCE**

15 Periodically inspect barricades and ballast. Replace any ballast as needed, including sandbags
 16 that have loose sand outside the bag.

17 **1145-5 MEASUREMENT AND PAYMENT**

18 *Barricades (Type III)* will be measured and paid as the maximum number of linear feet of
 19 barricades acceptably placed and in use at any one time during the life of the project.
 20 Measurement will be made of the total length of each barricade along one rail.

21 Relocation, replacement, repair and maintenance of barricade will be incidental to the work of
 22 this section.

23 Payment will be made under:

Pay Item

Barricades (Type III)

Pay Unit

Linear Foot

24 **SECTION 1150**
 25 **FLAGGERS**

26 **1150-1 DESCRIPTION**

27 Furnish, relocate and maintain the flaggers, hats, vests, STOP/SLOW paddles and any other
 28 incidentals necessary to control traffic.

29 **1150-2 MATERIALS**

30 Refer to Division 10.

Item

Flaggers

Section

1089-10

31 Refer to *Roadway Standard Drawings* No. 1150.01.